

1-1-1933

## Bulletin 119 - Summer Session 1933

Eastern Illinois University

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### Recommended Citation

Eastern Illinois University, "Bulletin 119 - Summer Session 1933" (1933). *Eastern Illinois University Bulletin*. 210.  
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# The Teachers College Bulletin

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Number 119

January 1, 1933

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Eastern Illinois State Teachers College

at

CHARLESTON

A Teachers College in the American Association  
of Teachers Colleges

A College in the North Central Association of  
Colleges and Secondary Schools

ANNOUNCEMENT OF THE  
SUMMER TERM

SIX WEEKS

1933

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Summer Term:

Six Weeks, June 10—July 21

# The Teachers College Bulletin

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PUBLISHED QUARTERLY BY THE EASTERN ILLINOIS  
STATE TEACHERS COLLEGE

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Entered March 5, 1902, as second class matter, at the postoffice at  
Charleston, Ill. Act of Congress, July 16, 1894.

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NO. 119

CHARLESTON, ILLINOIS

January 1, 1933

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## ANNOUNCEMENT OF THE SUMMER TERM SIX WEEKS 1933

A Teachers College in the American Association of  
Teachers Colleges

A College in the North Central Association of  
Colleges and Secondary Schools

SUMMER TERM  
SIX WEEKS, JUNE 10—JULY 21, 1933

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Eastern Illinois State Teachers College at Charleston  
(Printed by authority of the State of Illinois)

THE COLLEGE CALENDAR

1933

SUMMER TERM, 1933 (SIX WEEKS)

Six Weeks

Saturday, June 10 and  
Monday, June 12, 1933.....Registration  
8:00-12:00 A. M.—1:30-5:00 P. M.  
Friday, July 21, 12:10 Noon.....Summer Term Closes

FALL QUARTER, 1933-1934

Saturday, September 9 and  
Monday, September 11, 1933.....Registration



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STATE OF ILLINOIS  
DEPARTMENT OF REGISTRATION  
AND EDUCATION

## THE NORMAL SCHOOL BOARD

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### EX-OFFICIO MEMBERS

MICHAEL F. WALSH, Director of Registration and Education,  
Springfield, *Chairman*

FRANCIS G. BLAIR, Superintendent of Public Instruction,  
Springfield, *Secretary*

---

### APPOINTED MEMBERS

1927-1933

\*EDGAR B. STILL, DeKalb  
MRS. M. K. NORTHAM, Evanston  
CHARLES E. McMORRIS, Marshall

1929-1935

MRS. G. W. T. REYNOLDS, East St. Louis  
ALBERT E. BAILEY, Macomb  
DR. PRESTON BRADLEY, 941 Lawrence Avenue, Chicago

1931-1937

J. D. DILL, Carbondale  
WILLIAM R. BACH, Bloomington  
MISS HARRIETT A. MCINTYRE, Mendota

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Under the provisions of the Civil Administrative Code for the consolidation of State agencies under the direction of the Governor, the five State Normal Schools of Illinois are controlled by a single board consisting of eleven members: The Director of Registration and Education, who is *ex-officio* chairman, the Superintendent of Public Instruction, who is *ex-officio* secretary, and nine members appointed by the Governor for terms of six years.

\* Died December, 1932.

# THE FACULTY

SUMMER TERM, 1933

Livingston C. Lord.....	President
A. M., Harvard University; LL. D., University of Illinois; Ed. D., Miami University	
E. H. Taylor.....	Mathematics
A. M., Ph. D., Harvard University	
Friederich Koch .....	Music
Conservatory of Music, Kassel, Germany	
Ellen A. Ford.....	Dean
A. B., A. M., Syracuse University	
Annie L. Weller.....	Geography
B. S., The University of Chicago	
Albert B. Crowe.....	Chemistry
A. B., A. M., Hanover College	
Isabel McKinney .....	English
A. B., The University of Chicago; A. M., Columbia University	
S. E. Thomas.....	History and Government
Ph. B., Upper Iowa University; A. M., University of Iowa	
Edith E. Ragan.....	English
Indiana State Normal School	
Charles P. Lantz.....	Physical Education
B. S., Gettysburg College	
Howard DeF. Widger.....	English
A. B., Yale University; A. M., University of Illinois	
Fiske Allen.....	Director of Training School
A. B., Indiana University; A. M., Columbia University	
Lawrence F. Ashley.....	Industrial Arts
B. S., The Stout Institute	
Charles S. Spooner.....	Zoology
A. B., Cornell University; A. M., University of Illinois	
Grace E. Messer.....	Fine and Applied Arts
Potsdam Normal School; Syracuse University	
Orra E. Neal.....	English
Battle Creek College	
Wayne P. Hughes.....	Industrial Arts
The Stout Institute	
Ernest L. Stover.....	Botany
B. S., M. S., Ohio State University; Ph. D., The University of Chicago	
Ora L. Railsback.....	Physics
A. B., A. M., Indiana University	
Charles H. Coleman.....	History
A. B., George Washington University; A. M., Columbia University	
Eugene M. Waffle.....	English
A. B., Indiana State Normal School; A. M., Columbia University	
Frank A. Beu.....	Education
A. B., A. M., Northwestern University	
Eva P. Mintle.....	Home Economics
B. S., Iowa State College	
Emily R. Orcutt.....	English
Ph. B., A. M., The University of Chicago	
Glenn H. Seymour.....	History
A. B., A. M., Ph. D., University of Illinois	
Walter M. Scruggs.....	Biological Science
B. Ed., Eastern Illinois State Teachers College	
Franklyn L. Andrews.....	English
Ph. B., The University of Chicago; A. M., University of Illinois	

Irene K. Braun.....Home Economics  
     B. S., The Stout Institute  
 Gertrude Hendrix .....Mathematics  
     A. B., DePauw University; M. S., University of Illinois  
 Beth M. Kassabaum.....Penmanship  
     Eau Claire State Teachers College  
 Rose Zeller .....Geography  
     B. Ed., Illinois State Normal University; A. M., Clark University  
 Kevin J. Guinagh.....History  
     B. A., M. A., St. Vincent College; Ph. D., University of Pittsburgh  
 Ruth H. Mooers.....Art  
     B. S., University of Minnesota  
 Harris E. Phipps.....Physics  
     A. B., A. M., Oberlin College; Ph. D., University of Illinois  
 Ica Marks.....Biological Science  
     B. Ed., Eastern Illinois State Teachers College; M. S., Ohio State University  
 Richard W. Weckel.....Band and Orchestra  
     B. M. Ed., Illinois Wesleyan School of Music  
 Carl Colvin .....Education  
     B. S., M. A., University of Illinois  
 J. H. Gore.....Education  
     A. M., The University of Chicago  
 E. O. May.....Education  
     B. S., Valparaiso University; A. M., The University of Chicago  
 Harry R. Jackson.....Industrial Arts  
     B. Ed., Eastern Illinois State Teachers College  
 Quincy G. Burris.....English  
     A. B., M. A., Ph. D., University of Illinois  
 Hiram F. Thut.....Botany  
     A. B., Bluffton College; M. A., Ph. D., Ohio State University  
 Winfield S. Angus.....Physical Education  
     B. S., University of Illinois  
 Neal A. Adkins.....Industrial Arts  
     B. Ed., Eastern Illinois State Teachers College  
 Helen Fern Daringer.....English  
     A. M., Ph. D., Columbia University  
 June J. Ashley.....Manual Arts  
     Indiana State Normal School  
 R. J. Seymour.....Physiology and Hygiene  
     M. D., Ohio State University  
 Charles McIntosh.....Rural Education  
     Superintendent of Platt County Schools  
 Velma Kitchell .....Public School Music  
     B. M., B. S. in M. Ed., University of Illinois  
 Gilberta Coffman.....Training Teacher, Seventh Grade  
     Indiana State Normal School  
 Elizabeth Howell.....Training Teacher, Sixth Grade  
     B. S., Teachers College, Columbia University  
 Bernice I. Bankson.....Training Teacher, Fifth Grade  
     B. Ed., Eastern Illinois State Teachers College; Teachers College, Columbia University  
 Myrtle Arnold.....Training Teacher, Fourth Grade  
     B. S., University of Minnesota  
 Margaret A. King.....Training Teacher, Third Grade  
     B. Ed., Eastern Illinois State Teachers College  
 Grace Geddes.....Training Teacher, Second Grade  
     Eastern Illinois State Teachers College; Columbia University  
 Anna H. Morse.....Training Teacher, First Grade  
     Illinois State Normal University; Columbia University  
 Mary J. Booth.....Librarian  
     A. B., Beloit College; B. L. S., University of Illinois  
 Esther Irene Duggleby.....Assistant Librarian  
     A. B., University of Denver; B. S., University of Illinois  
 Hazel I. Hicks.....Assistant Librarian  
     Eastern Illinois State Teachers College  
 Harriet Love.....Children's Librarian  
     A. B., Vassar College; M. A. in Library Science, Western Reserve University



Louise K. Stillions.....	Student Assistant Librarian
Cecile L. Burkybile.....	Student Assistant Librarian
Bertha M. Griffin.....	Student Assistant Librarian
Florence E. Wood.....	Student Assistant Librarian
.....	Student Assistant Librarian
Ruth B. Dunn.....	Secretary and Business Manager
B. A., Wellesley College; A. M., The University of Chicago	
Blanche C. Thomas.....	Registrar
Edith C. Willson.....	Stenographer
Anita D. Rohr.....	Stenographer
Lola A. Eberly.....	Stenographer
A. B., University of Nebraska	
Nathile McKay.....	Dean of Pemberton Hall
B. A., Howard Payne College; M. A., University of Texas	
Mary E. Thompson.....	Health Director
St. John's Hospital, Fargo, N. D.	
.....	Superintendent of Grounds

# THE SUMMER TERM

## GENERAL INFORMATION

**Purpose and Plan.**—The six weeks' summer term of the Eastern Illinois State Teachers College at Charleston begins on Saturday, June 10. The term closes on Friday, July 21. Provision has been made to meet the needs of three classes of students:

1. Graduates of recognized four-year high schools who wish to begin preparation for teaching.
2. Sophomores who wish to earn requirements for the limited elementary certificate; or to work toward the degree and the high school, the special, the supervisory, or the life elementary certificate.
3. Juniors or seniors who wish to continue work toward the degree and the high school, the special, the supervisory, or the life elementary certificate. Graduates of the Junior College are included in this group.

**Note.**—Under "Summer School Programme," schedules for each of these groups are discussed. The student should make his schedule not for one summer alone, but for the summers and the year or years needed to reach his objective.

**Admission.**—Graduates of recognized four-year high schools and holders of teachers' certificates are admitted to the summer term. Enrollment of students begins at eight o'clock, Saturday morning, June 10, and continues through Monday, June 12. Class work begins Tuesday morning, June 13, at a quarter past seven o'clock.

High school or other college records must be sent to the Registrar before the opening of the summer term.

**Credit.**—The unit of measure, beginning with the year 1929-30, is the quarter hour, representing one hour a week of prepared work for twelve weeks when the student load of prepared work is sixteen hours a week. It is equivalent to two-thirds of a semester hour.

A statement of the amount of credit is included in the description of each course.

A year's work is equivalent to forty-eight quarter hours (thirty-two semester hours) of prepared work. A year's work in one subject is equivalent to twelve quarter hours (eight semester hours).

Regular work for six weeks gives eight quarter hours credit. Students with B average may register for a maximum of ten quarter hours of credit toward graduation.

Credit earned in piano, voice, physical education, library use, dramatics, College News, glee club, quartette, orchestra, or band is in excess of the 96 quarter hours required for a diploma and of the 192 quarter hours required for a degree. The credit is recorded on the student's permanent record card and may play an important part when he is an applicant for a position.

A Teachers College "credit" is equivalent to four quarter hours.

**Numbering of Courses.**—Courses numbered 20-29 are (with a few exceptions) required in a curriculum in the Junior College; courses numbered 30-39 are elective courses for those in the Junior College; courses numbered 40 or above are Senior College courses.



**Expenses.**—Tuition is charged for the summer term to all who are not to teach in Illinois for a period equal to that covered by their attendance at the Eastern Illinois State Teachers College. This tuition is charged at the rate of \$25.00 a quarter of twelve weeks, or \$12.50 for six weeks. No tuition is charged for the summer term to those who are to teach in Illinois. A registration fee of two dollars for the term covers all expenses in the zoological, botanical, physical, and chemical laboratories, in the library, and in other departments of the school. Students pay for materials used in art, manual training, and home economics. All necessary textbooks are rented to students in the summer term for one dollar and fifty cents. Each student pays a recreation and athletic fee of one dollar. The fee for instrumental music or for voice lessons is \$5.00.

An additional fee of one dollar is paid for late registration by every student who does not complete his registration on the day or days appointed for registration; for change of programme after the third day; and for record not clear at the textbook library at the close of the term.

The cost of board and room in Pemberton Hall is \$5.75 a week; board costs \$4.00 a week. In private families, the cost is about the same. A committee from the faculty and students assists students in selecting boarding places and rooms.

Following is an estimate of expenses for the six weeks' term:

Registration fee .....	\$ 2.00
Book rent .....	1.50
Recreation and athletic fee.....	1.00
Board .....	24.00
Room rent, two in a room, each.....	10.50
<b>Total .....</b>	<b>\$39.00</b>

**Registration.**—Directions for registering on Saturday, June 10, and on Monday, June 12, 1933, 8:00 to 12:00 a. m. and 1:30 to 5:00 p. m.:

1. Fill out a blue card with your name, your Charleston address, and the name of the householder. Leave this card at the information desk in the Entrance Hall.
2. Pay registration fee (\$2.00), book rent (\$1.50), and recreation and athletic fee (\$1.00), or leave scholarship at the cashier's office and pay the recreation and athletic fee (\$1.00). Scholarship students pay the recreation and athletic fee of \$1.00. Students who enter after Monday, June 12, pay a fee of \$1.00 for late registration.
3. Go to a faculty adviser and have a programme marked with the courses for which you wish to register.
4. Take the marked programme to the textbook library and receive your books.
5. Report for regular class work beginning at 7:15, Tuesday morning, June 13.
6. Between noon on Tuesday, June 13, and Friday afternoon, June 16, at 4:00 o'clock, go to the textbook library with your recreation ticket and get your registration blank. There should be no delay in doing this after you are sure your programme is satisfactory to you.
7. Take the blank and your marked programme to the Entrance Hall and fill out the blank in ink, beginning with the back of the blank. Make out a class card for each course.
8. Take the completed blank and cards to a student clerk and wait till they are checked. All blanks and cards must be returned to the registrar not later than the close of school on Friday, June 16.
9. No credit is given for any course for which you have not made out a class card for the registrar. This card is used in reporting your grades at the close of the term.

10. No change of programme should be made after you have completed your registration. If any mistake has been made, go to the office with your marked programme and ask to have the mistake corrected.

11. A student may drop a course by handing in at the textbook library a slip with the date, his name, and the hour and name of the course to be dropped. He must at the same time return any textbooks taken out for that course.

12. No other change in programme should be necessary after you have completed your registration.

**Announcements.**—Morning exercises are held in the assembly hall daily at 9:00 o'clock in the first six weeks.

The assembly hall is a study room during all class periods.

Students entering after Monday, June 12, go to the office for a marked programme and permission to register.

**Charleston Post Office.**—Mail is not delivered to students at the school. Students should have their correspondents give street and number in addressing all mail. If a student changes his Charleston address, he should go to the postoffice and file a change of address card. He should give both the old and the new address. A change of address should be reported to the registrar.

**Training School.**—Opportunity is offered for observation and practice teaching in the first seven grades. It is possible to accept only a few for places in practice teaching in the summer term. Preference is given to those whose freshman work here has been completed with high standing. No student who has failed in practice teaching is permitted to take teaching in the summer term.

Students wishing to take teaching in the summer term should apply to the Director of the Training School at least two weeks before the opening of the summer term. The Training School is in session from 9:00 to 12:00.

**Pemberton Hall.**—Room and board may be secured in Pemberton Hall by one hundred students at \$34.50, and board by about fifty more at \$24.00 for the term, payable on June 13. Applications for rooms are filed in the order in which they are received.

A deposit of \$5.00 is required for a reservation at Pemberton Hall. Reservations will be filed at the Hall when the deposit is received at the business office.

This deposit is credited to the student, but forfeited if the student cancels the reservation too late to have it used by someone else.

**Gymnasium.**—Adjoining Pemberton Hall is the gymnasium, a well-lighted and ventilated room, equipped with Swedish apparatus, stall-bars, climbing ropes and ladders, horizontal and vertical window ladders, jumping standards, vaulting box and horse, and two Swedish booms. There are separate dressing rooms with private lockers and numerous shower baths. For outdoor work there is a large athletic field with a quarter-mile cinder track and a baseball diamond, field hockey and basketball ground, and several tennis courts. The equipment of the gymnasium and playground will interest teachers of physical education and public school teachers who are seeking knowledge on this subject.

**Practical Arts Building.**—The Practical Arts Building for manual arts, industrial arts, and home economics has been in use since January, 1929. Space and equipment are provided adequate for training teachers in these fields. A four-year curriculum is offered in manual arts and industrial arts. A four-year Smith-Hughes curriculum is offered in home economics.

**Laboratories.**—The botanical and zoological laboratories offer opportunities for experimental work and for verification of established facts of life. An excellent four-room greenhouse contains many plants of unusual interest and serves, moreover, as an important adjunct to the botanical laboratories. Additional facilities for field observation and for obtaining laboratory materials are offered by a small lake and a forest plantation of six thousand trees, all of which are within five minutes' walk of the biological laboratories. The laboratories for physics and chemistry contain the best of apparatus essential to higher work, as well as many inexpensive and practical devices which can easily be reproduced in the grade or country school. The school has a four-inch equatorial telescope which is of special interest to teachers of geography.

**School Garden.**—In the school garden small plots of ground are planted and cared for by pupils under the direction of the gardener and the teacher. Connected with the pupils' garden are a model vegetable garden, a rose garden, and a garden for experimentation and exhibition purposes. All of these divisions are used for demonstrating the proper care of plants, the methods of propagation, crop rotation, and some of the principles of plant breeding.

**Library.**—The library, containing over 39,000 books and pamphlets, is open to all summer school students. During the summer quarter of 1932 books on the following subjects were exhibited:

1. Books of poetry for children.
2. Books on dramatization.
3. Recent textbooks in arithmetic.
4. Recent readers.
5. Pamphlets on geography.

The training school library, located on the third floor of the elementary school building, in charge of a children's librarian, is open to summer school students. Here are collected over 2,600 books suited to the needs of the elementary school and of the junior high school. For those who wish to obtain titles of books for school libraries, lists selected by those familiar with children's books are provided and conferences with the librarian are arranged. A course in story telling is offered by the Training School librarian. See English 23 in the "Description of Courses."

**Regular School Year.**—The fall quarter of the college year of 1933-1934 will begin Saturday, September 9, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.

**Organization.**—The Teachers College consists of the Junior College and the Senior College, each offering two years of work. Graduation from a recognized four-year high school is required for admission to the Junior College. The work of the Junior College in the two-year curriculum leads to a diploma which gives a limited elementary certificate, valid in the first ten grades of the common schools of the county; or it admits the student to the Senior College. The work of the Senior College leads to the degree of Bachelor of Education and aims to prepare high school teachers, principals, supervisors, department teachers, grade teachers and teachers of special subjects. Ninety-six quarter hours are required for graduation from the Junior College and one hundred ninety-two hours for graduation from the Senior College. In addition to the required number of hours, physical education, penmanship, and work in the use of the library are required.

**Curricula.**—I. Two-year curriculum (96 quarter hours) for preparation of teachers for the grades.

II. Four-year curricula (192 quarter hours each) for preparation of primary teachers, grammar grade department teachers, supervisors, high school teachers, and teachers of special subjects. The possibilities in choice of major subjects are: art, English, Latin, geography, history, home economics (Smith-Hughes), manual arts, mathematics, music (public school), botany, zoology, physics, chemistry.

**The Two-Year Diploma Curriculum.**—The two-year diploma curriculum for preparation of teachers for the grades is here given by years:

Freshman Year	Sophomore Year
Education 20, 21, 22	Education 23, 24
English 20, 21, 27 (or 24 or 22)	Teaching 20, 21, 22
Arithmetic 20, 21	History (eight quarter hours)
Botany 20 or 21; or Zoology 20 or 23	Music 24 or 23
Geography 20	Manual Arts 24 or 25 (or Art 36 or 37)
Reading 24	Geography 21 and English 26 (or English 34 and Education 25)
Drawing 24	Hygiene 20
Penmanship 20	Physical Education
Library 20	
Physical Education	

**Notes.** 1. The completion of this curriculum entitles the student to the diploma of the Junior College and to a limited elementary certificate.

2. Each course has four fifty-minute periods a week unless otherwise indicated by a number in parentheses; but laboratory sciences have six to eight fifty-minute periods; manual arts and home economics require eight periods a week for twelve weeks for full credit.

## THE CERTIFICATING LAW

For the limited elementary certificate the requirement is a Junior College diploma or the equivalent as defined by the Illinois Examining Board.

For the limited supervisory certificate a bachelor's degree and four years of successful teaching experience are required.

For the limited high school certificate a bachelor's degree is required. The subject requirement for teaching in recognized or accredited high schools is two years of college work in the subject taught (24 quarter hours or 16 semester hours).

For the life certificate—supervisory, high school, or special—a bachelor's degree with four years of successful teaching is required. For the life certificate, kindergarten-primary or elementary, the requirement is 90 semester hours with four years of successful teaching.

The certificating law is presented in tabular form on the following page.



## THE CERTIFICATING LAW

ESSENTIAL FEATURES PERTAINING TO LIMITED CERTIFICATES PROVIDED FOR IN THE CERTIFICATING LAW  
ENACTED BY THE FIFTY-SIXTH GENERAL ASSEMBLY, 1929

Analysis of Main Features of Certificates	NAME OF LIMITED CERTIFICATE				
	Super- visory	High School	Special	Kinder- garten Primary	Elemen- tary
(1)	(2)	(3)	(4)	(5)	(6)
I. Scope of Validity:					
(a) Duration of time.....	4 yr. Teaching; super- vision	4 yr. Teaching; super- vision	4 yr. Teaching; super- vision	4 yr. Teaching; super- vision kinder- garten	4 yr. Teaching; super- vision
(b) General duties permitted.....					
(c) Grades of school system.....	1-12	7-12	1-12	1-2	1-10
II. Requirements for Issue on Credits					
(a) College semester hours.....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60
(b) Semester hours in education.....	15	15	12	Indefinite	10 <sup>3</sup>
(c) Teaching experience .....	4 yr. Success; growth	0 Success; growth	0 Success; growth	0 Success; growth	0 Success; growth
(d) *Renewal conditions .....					
III. Requirements for Issue by Examination					
(a) College semester hours.....	60	60	30	30 <sup>2</sup>	30 <sup>5</sup>
(b) Teaching experience .....	4 yr.	0	0	0	0
(c) Number of subjects written.....	5	10	3 or more	3	18
(d) College semester hours for renewal—					
1. First renewal .....	90	90	60 <sup>1</sup>	60 <sup>2</sup>	60
2. Second renewal .....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60
3. Third renewal, etc.....	120	120	60 <sup>1</sup>	60 <sup>2</sup>	60
IV. *Conditions of Exchange for Life Certificate					
(a) Years of successful experience.....	Super- vision, 4 yr.	4 yr.	4 yr.	4 yr.	4 yr.
(b) College semester hours required.....	120	120	120	90	90
(c) College semester hours in education.	15	Indefinite	Indefinite	Indefinite	Indefinite
(d) Name of certificate received.....	Life super- visory	Life high school	Life special	Life Kinder- garten Primary	Life elemen- tary

<sup>1</sup> 120 hours in each subject named in certificate.

<sup>2</sup> Kindergarten-primary training.

<sup>3</sup> 5 hours in practice teaching.

<sup>4</sup> Evidence of successful teaching and professional growth are prerequisite to the renewal of all certificates.

<sup>5</sup> 5 hours in education.

<sup>6</sup> Life certificate may be obtained by successful examination and preparation of thesis if applicant fails in slight measure to meet hours of training required for exchange of limited certificate.

## SUMMER TERM PROGRAMME

**Summer Term, Senior College.**—Attention is called to Senior College courses offered in a sequence of two or three summers in English, history, physiology, botany, zoology, mathematics, physics, art, and home economics.

**Sophomore Programmes.**—Sophomores in four-year curricula who are using summer terms in order to complete one year's work before returning to college as juniors should have their programmes planned at the office.

**Junior Programmes.**—1. Juniors in four-year curricula and graduates of the two-year diploma curriculum who wish to earn one year's credit toward the degree before returning as seniors for their last year's work should have their programmes planned ahead for them at the office.

2. Since two-year diploma graduates must satisfy requirements as to major and minor subjects, laboratory science, and required junior and senior work, they must in curricula for high school teaching earn more than two years' credit beyond that covered by the Junior College diploma.

3. Two-year diploma graduates with successful experience in the elementary grades or junior high school should follow the new curriculum for preparation of training teachers, supervisors, and department teachers. See annual catalogue, page 46.

**Programme Notes.**—A student may complete eight quarter hours in six weeks. It is not advisable to register for more than eight quarter hours in six weeks.

Students with B average in their last quarter's work may register for ten quarter hours, the maximum permitted for credit toward graduation total.

Courses marked with an asterisk are double courses, completing in six weeks the work of twelve weeks. Double courses, unless otherwise indicated on the programme, have two periods a day except on Thursdays and Saturdays, when they omit the second period.

Single period courses omit Friday morning or Saturday afternoon periods.

The periods for science courses are indicated by Arabic numerals following a dash, the numbers showing the days of the week counted from Monday as one.

Students are urged to read carefully the description of a course before deciding to take it.

The Training School is in session from 9:00 to 12:00.

Courses numbered 20-29 are required in one or more of the curricula. Courses numbered 30 or above are elective. Courses numbered 40 or above are Senior College courses.

The numbers of courses in the summer bulletin are the same as in the annual catalogue, but the numbers of courses not offered in the regular school year have not been changed to correspond with the present plan for numbering courses. A letter added to the number of a course indicates that the course covers only a part of the course for which the number stands, (a) being the first half, (b) the second half.



## DESCRIPTION OF COURSES

### ART AND DESIGN

At least two hours of work a day, outside of class, are required in each double-period course in art.

**24. Elementary Drawing.**—The course includes lettering, composition, free hand perspective, color harmony, and their application in poster work. Sixteen hours a week. Four quarter hours.

9:30 and 10:25, with 6 additional hours, Third floor east, Miss Mooers.

**Note.**—Students who need only Art 24b are permitted to take it with Art 24.

**30. Representation.**—The study of the essentials of perspective and their application to still life groups in charcoal, crayon, water color, and ink. Sixteen hours a week. Four quarter hours.

7:15 and 8:10 daily, with 6 additional hours, Third floor east, Miss Mooers.

**31. Poster Work.**—The study of lettering for commercial and educational uses and for application to book making, bulletins, and posters. The principles of design and color. "Art in Every Day Life," by Goldstein is the text used. Sixteen hours a week. Four quarter hours.

7:15 and 8:10 daily, with 6 additional hours, Third floor east, Miss Mooers.

**32. Design I.**—Decorative applications of the principles of design. Sixteen hours a week. Four quarter hours.

7:15 and 8:10 daily, with 6 additional hours, Third floor east, Miss Mooers.

**43. Still Life I.**—Studies in charcoal, water color, and oil. Sixteen hours a week. Four quarter hours.

7:15 and 8:10 daily, with 6 additional hours, Third floor east, Miss Messer.

**44. Interior Decoration.**—A thorough and practical course in the fundamentals of interior decoration. Emphasis is placed on good color harmony, and the application of the principles of design. The course includes the study of periods and styles of furniture and of materials used in interiors. Sixteen hours a week. Four quarter hours.

7:15 and 8:10 daily, with 6 additional hours, Third floor east, Miss Messer.

**46. Life Sketch.**—Drawing from a model. Study of general anatomical facts. Sixteen hours a week. Four quarter hours.

10:25 and 11:20 daily, with 6 additional hours, Third floor east, Miss Messer.

**51. Art Appreciation.**—This course is open for elective credit for juniors and seniors in any curriculum except the art curriculum in which no credit is allowed. Eight hours a week. Four quarter hours (two for 51a and two for 51b).

51a. 9:30, Third floor east, Miss Messer.

51b. 11:20, Third floor east, Miss Mooers.

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**EDUCATION.**

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**I. Rural Education**

12. **Country-School Teaching.**—This course is a careful study of the Illinois State Course of Study. It is given in two parts:

**Education 20a (Rural). First Part, Lower Grades.**—Four hours a week. Two quarter hours, accepted for Education 20a or 22a.

9:30, Room 18, Mr. McIntosh.

**Education 20b (Rural). Second Part, Upper Grades.**—Four hours a week. Two quarter hours, accepted for Education 20b or 22b.

10:25, Room 18, Mr. McIntosh.

13. **Rural School Management.**—The course deals with the organization, supervision, and maintenance of country schools and with the organizations cooperating with these schools. It is given in two parts:

**Education 24a (Rural). First Part, The Fundamentals of Rural School Organization and Management.**—This part is for rural teachers of little or no experience in teaching. Four hours a week. Two quarter hours as a substitute for Education 24a.

7:15, Room 18, Mr. McIntosh.

**Education 24b (Rural). Second Part, Rural School Problems and Plans of Organization.**—This part is for graduates of the two-year grade curriculum or for teachers of four or more years of experience. Four hours a week. Two quarter hours as a substitute for Education 24b.

8:10, Room 18, Mr. McIntosh.

**II. Practice Teaching**

20a, 20b, 21a, 21b, 22a, or 22b. **Practice Teaching.**—The number of students admitted to practice teaching in the summer term is limited. See "Training School." Preference is given to sophomores in the two-year grade curriculum who completed the freshman year with B average.

Students registered for practice teaching should see Mr. Allen on registration day. Five hours a week. Two quarter hours for each half course (20a or 20b, etc.). Hours to be arranged with Mr. Allen.

**III. Education**

Note.—Beginning with the fall quarter, 1928-29, a change was made in the content of the three courses in education required of freshmen and then called "Psychology 20, 21, 22." The new courses are now listed as Education 20, 21, 22.

Those who have had the old "Psychology 20" should complete the year's work by taking the new Education 20 and 22. Those who have had the old "Psychology 20, 21" complete the year's work by taking Education 22.

Education 20 (Rural) may be substituted for Education 20 or 22, and Education 24 (Rural) for Education 24.

Students who have not had the old "Psychology 20, 21, 22" take the new courses in education listed here as "Education 20, 21, 22."

20. **An Introduction to Education.**—This course is intended to provide the student with a general view of the more important phases of a teacher's work. The meaning and the interrelation of the following matters form the subject matter of the course: the organization of public education; the teacher's relation to other school officials; school property; the materials of education; methods of using school material; the learning process; qualifications of teachers; the purpose of public education. The succeeding courses in education deal in greater detail with the several topics introduced in this beginning course. Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 17, Mr. May.

21. **An Introduction to Educational Psychology.**—This course uses the discussion on the learning process of the preceding course as its point of departure and introduces the student to the forms of student behavior by which man adapts himself to the world. The material of the course includes: the physical basis of behavior; the instinctive equipment of man; the emotions; the laws of learning and their economical application; the organization of experiences into percepts and ideas; transfer of training; individual differences, intelligence; the interrelation of various forms of behavior; Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 11, Mr. May.

22. **The Psychology of Elementary School Subjects.**—This course makes an analysis of the materials used in elementary education with a view to understanding the learning problems involved. The special psychology of the following subjects is considered: reading, arithmetic, handwriting, spelling, history, geography, nature study, music, drawing. Some attention is given to the diagnosis of special difficulties in these subjects and the appropriate remedial measures. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 40, Miss Ragan.

23. **Principles of Education.**—Through discussion of the nature and aims of education, foundations are laid for notions of educational values, selection of the curriculum, methods of teaching, and school administration. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

Section I, 7:15 and 1:30, Room 10, Mr. Gore.

Section II, 8:10 and 2:25, Room 10, Mr. Gore.

24. **School Management.**—The course is designed primarily for those who have had some experience in teaching and wish to study their problems of class management and instruction. School organization and control, including the making of a programme, discipline, and kindred topics are discussed. Methods of securing study and attention to the recitation and conditions determining desirable class activity are emphasized. Prerequisite: Education 20 and 21, or experience in teaching. Eight hours a week. Four quarter hours.

7:15, Room 8T, and 10:25, Room 7T, Mr. Allen.

44. **Educational Measurements.**—The aim of this course is to introduce the student to the application of the statistical method to the solution of educational problems; to acquaint him with standardized and proposed tests for measurements of general mental ability and with scales for the measurement of progress of the child in school subjects and for the determination of efficiency of teaching. Opportunity is given for the development through practice of some skill in the application of tests and the employment of scales. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

9:30 and 10:25, Room 17, Mr. Beu.

45. **The Psychology of Secondary Education.**—The purpose of this course is to trace the psychological principles which are basic to the teaching of high school subjects. General types of learning are discussed, such as: motor learning, association learning, problem-solving, habit-formation. High school subjects are analyzed and the relations of the general types of learning to particular subjects are pointed out. The general organization of the high school as it is determined by the nature of the adolescent student is touched upon. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 17, Mr. Beu.

48. **School Organization and Administration.**—This is an introductory course for students who desire a knowledge of problems in educational organization, administration, and supervision in the nation, the state, and local units. The first half of the course gives an understanding of the problems of administration to enable all members of an organization to cooperate with those in final administrative authority in the formulation of policies. The second half of the course presents the problems of the elementary and high school

principal in organizing and administering schools. School law and finance as well as current educational problems receive attention in this course. Prerequisite: Junior classification or experience in teaching. Eight hours a week. Four quarter hours.

9:30 and 10:25, Room 11, Mr. Colvin.

49. **Elementary Education.**—This course is intended to acquaint students with some of the major problems of the elementary school. Among the topics included are: the scope of elementary education—its origins and functions; the elementary school curriculum; evaluation of certain techniques and procedures employed in progressive schools; some problems of administration; the training of the elementary school teacher. Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 39, Miss Daringer.

52. **History of Education.**—Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 11, Mr. Colvin.

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### ENGLISH

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20. **Composition.**—A practical course, stressing the planning, outlining, and developing of short units, analysis of well-written material, the sentence, and fundamentals of good form in speech and writing.

Students registered for English 20a, 21a, or 44a, may, on recommendation of the instructor, be admitted to an examination at the close of the term for credit in English 20b, 21b, or 44b also, provided they are not registered for more than eight quarter hours including English 20a, 21a, or 44a.

20a. **The First Half of English 20.**—Four hours a week. Two quarter hours. (See above).

10:25, Room 38, Mr. Waffle.

20b. **The Second Half of English 20.**—Prerequisite: English 20a. Four hours a week. Two quarter hours.

10:25, Room 38, Mr. Waffle.

21. **Composition.**—A continuation of English 20, mostly concerned with clear exposition; large units; some rhetorical theory. (See under English 20.)

21a. **The First Half of English 21.**—Prerequisite: English 20. Four hours a week. Two quarter hours.

11:20, Room 38, Mr. Waffle.

21b. **The Second Half of English 21.**—Prerequisite: English 21a. Four hours a week. Two quarter hours.

11:20, Room 38, Mr. Waffle.

22a. **Children's Literature.**—The main purpose of Courses 22a and 22b is to give an introduction to the field of literature for the lower grades with something of the purposes and the methods of teaching. In Course 22a, fable, folk-lore, myth, legend, romance are considered. Four hours a week. Two quarter hours.

8:10, Room 29, Miss Orcutt.

22b. **Children's Literature.**—See Course 22a. In Course 22b, poetry and modern stories are considered. Four hours a week. Two quarter hours.

9:30, Room 29, Miss Orcutt.



23. **Story Telling.**—This course may be substituted for English 22 or 34 in the two-year grade curriculum.

23a. (First half of English 23.) Four hours a week. Two quarter hours.

10:25, Room 14T, Miss Love.

26. **English Grammar.**—This course attempts to cover the grammar taught in the seventh and eighth years with special emphasis on the sentence. Required in the English curriculum. Eight hours a week. Four quarter hours.

Section I, 7:15 and 1:30, Room 24, Miss Neal.

Section II, 8:10 and 2:25, Room 24, Miss Neal.

34. **American Literature.**—A survey of American literature from the beginning to the present. Eight hours a week. Four quarter hours.

10:25 and 11:20, Room 27, Mr. Andrews.

36. **Shakespeare and the Elizabethan Drama.**—A study of Shakespeare's most important plays, and of their place in the development of English drama. Some attention is given to the chief dramatists contemporary with Shakespeare. Eight hours a week. Four quarter hours.

7:15, Room 26, and 9:30, Room 27, Mr. Andrews.

37. **Modern Drama.**—The purpose of this course is to familiarize the student with what is best in modern drama. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 27, Mr. Widger.

39. **Dramatics.**—A study of the presentation of plays, including the reading of contemporary dramas, the production of at least one play, and the dramatization of an episode or a short story. Some instruction in the coaching of plays is given. Accepted for English 37. Eight hours a week. Four quarter hours.

10:25 and 11:20, Room 29, Miss Orcutt.

43. **Contemporary Literature.**—Extensive reading in current literature introduces the student to the best that is being written today, and provides him with some standards of judgment with the hope of stimulating his enthusiasm for good books.

43a. **Prose.**—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

8:10, Room 39, Miss Daringer.

43b. **Poetry.**—Prerequisite: Junior College required English. Four hours a week. Two quarter hours.

2:25, Room 39, Miss Daringer.

44a (or b). **Advanced Rhetoric.**—Chiefly written composition, applying the principles of organization and effective expression to somewhat more extended material than do English 20 and 21. The course is intended to give both an introduction to the methods of research and opportunity for original work. Prerequisite: Junior College required English. Four hours a week. Two quarter hours for a or b. Four quarter hours for a and b. (See under English 20.)

9:30, Room 38, Mr. Waffle.

45. **Oral English.**—Through prepared talks and discussions, this course gives training in the effective expression of genuine ideas and opinions. Sincerity, adequate development of thought, the proper use of facts and evidence, and also the principles and practice of good delivery are stressed. Prerequisite: Junior College required English. Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 27, Mr. Widger.

47. **From Milton to Burns.**—Eight hours a week. Four quarter hours.

8:10 and 9:30, Room 23, Miss McKinney.

48. **Nineteenth Century Poetry.**—Eight hours a week. Four quarter hours.

10:25 and 11:20, Room 23, Miss McKinney.

49. **The Essay.**—This course traces the development of the essay in English, with special attention to style. Eight hours a week. Four quarter hours.

10:25 and 11:20, Room 32, Mr. Burris.

50, 51. **History of the English Language and Literature.**—The development of the English language from Anglo-Saxon to the language of today is traced concurrently with the history of English literature.

50. First Course. Eight hours a week. Four quarter hours.

8:10 and 9:30, Room 32, Mr. Burris.

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## GEOGRAPHY

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20. **Principles of Human Geography.**—Required in the first year of the two-year curriculum for preparation of teachers for the grades. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 16, Miss Weller.

21. **Climatology.**—This course covers work helpful to teachers of the seventh and eighth grades in the State Course of Study. It includes mathematical geography and a study of the circulation of the atmosphere leading up to an understanding of climate. It forms a foundation for all regional geography. Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 16, Miss Weller.

31. **Geography of South America.**—Prerequisite: Geography 20 and 21. Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 7T, Miss Zeller.

45. **Geography of Asia.**—Prerequisite: Geography 20 and 21. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 7T, Miss Zeller.

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## HISTORY AND SOCIAL SCIENCE

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### I. History

47 (31). **The History of Europe, 1500-1815.**—Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 35, Mr. Thomas.

33. **American Political and Institutional History to 1800.**—Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 9, Mr. Seymour.

34. **The Political and Institutional History of the United States, 1800-1865.**—Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 9, Mr. Seymour.



35. **The Political and Institutional History of the United States, 1865 to the Present.**—Eight hours a week. Four quarter hours.  
7:15 and 1:30, Room 30, Mr. Coleman.

38. **History of Greek Civilization.**—Eight hours a week. Four quarter hours.  
7:15 and 1:30, Room 38, Mr. Guinagh.

39. **Political and Institutional History of Rome.**—Eight hours a week. Four quarter hours.  
8:10 and 2:25, Room 38, Mr. Guinagh.

## II. Sociology

43. **The Principles of Sociology.**—Eight hours a week. Four quarter hours.  
7:15 and 1:30, Room 35, Mr. Thomas.

## III. Government

43. **State and Local Government.**—Eight hours a week. Four quarter hours.  
8:10 and 2:25, Room 30, Mr. Coleman.

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## HOME ECONOMICS

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The work of the Home Economics Department is divided into three parts: I, Clothing. II, Foods. III, Home Economics.

### I. Clothing

30. **Textiles.**—Beginning Clothing. Sixteen hours a week. Four quarter hours.  
7:15 and 8:10, daily, with six additional hours to be arranged, Room 22P, Miss Braun.

31. **Clothing Economics.**—Problem: A smock. Sixteen hours a week. Four quarter hours.  
8:10 and 9:30, daily, with six additional hours to be arranged, Room 22P, Miss Braun.

32. **Garment Making.**—Prerequisite: Clothing 31. Sixteen hours a week. Four quarter hours.  
9:30 and 10:25, daily, with six additional hours to be arranged, Room 22P, Miss Braun.

43. **Advanced Clothing: Selection and Construction.**—Problem: Silk dresses. Prerequisite: Clothing 30 and 31. Sixteen hours a week. Four quarter hours.  
8:10 and 9:30, daily, with six additional hours to be arranged, Room 22P, Miss Braun.

45. **Clothing.**—Problem: A silk dress or the equivalent: Renovation, care, and repair of clothing. Prerequisite: Clothing 43, or the equivalent. Sixteen hours a week. Four quarter hours.  
10:25 and 11:20, daily, with six additional hours to be arranged, Room 22P, Miss Braun.

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## II. Foods

30s. **Foods and Nutrition.**—Study and preparation of foods on meal basis plan. Relation of health to food study. Breakfast. Sixteen hours a week. Four quarter hours.

7:15 and 8:10, daily, with six additional hours to be arranged, Room 23P, Miss Mintle.

31s. **Foods and Nutrition.**—Study and preparation of foods on meal basis plan. Luncheon. Christmas candies. Sixteen hours a week. Four quarter hours.

10:25 and 11:20, daily, with six additional hours to be arranged, Room 23P, Miss Mintle.

## III. Home Economics

45s. **Home Management.**—The business problems of the home are studied; budget making and ways of meeting problems of the home. Eight hours a week. Four quarter hours.

9:30, daily, with three additional hours to be arranged, Room 27P, Miss Mintle.

46s. **Child Care and Training and Home Nursing.**—Physical care and training of the infant and pre-school age child. A study of the factors in the training and development of children in the home. Eight hours a week. Four quarter hours.

9:30, daily, with three additional hours to be arranged, Room 27P, Miss Mintle.

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## LIBRARY USE

The aim of this course is to teach students to use the library with some degree of skill. Certain high school and college courses require considerable work in the library, including reading and looking up references and assigned topics. To do this work with a wise expenditure of time and effort, students should know how to use the card catalogue, magazine indexes, and some reference books. Lessons, required of all students, are given to freshmen. The course offered this summer is accepted for this work.

20. **Use of the Library.**—Instruction and problems in the use of the catalogue, dictionaries, encyclopedias, Readers' Guide, and other reference books in history, biography, and education. Two hours a week. One quarter hour.

10:25, Wednesday and Fridays, Room 16, Miss Booth.

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## MANUAL ARTS

24a. **Primary and Intermediate Grade Handwork.**—This course has been worked out to meet the needs of teachers and supervisors of grades in the city and rural schools. The typical school room and its equipment are considered. Work in paper folding, paper weaving, cardboard construction, and bookbinding. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

Section I, 8:10, Room 16P, Mrs. Ashley.

Section II, 10:25, Room 16P, Mrs. Ashley.

24b. **Primary and Intermediate Grade Handwork.**—Reed and raffia, basketry, wood work and clay work. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours.

Section I, 9:30, Room 16P, Mrs. Ashley.

Section II, 11:20, Room 16P, Mrs. Ashley.

25. **Intermediate Grade Handwork.**—This course is offered in two parts:

25a. First Part of Manual Arts 25. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours. 8:10, Room 14P, Mr. Jackson.

25b. Second Part of Manual Arts 25. Eight hours a week (four hours in class and four hours outside of class). Two quarter hours. 2:25, Room 14P, Mr. Jackson.

30. **Mechanical Drawing.**—Practical working drawings based upon French and Svenson's "Engineering Drawing." This course is of value to men and women teachers in the junior high school or above and of special value to teachers of mathematics and manual arts. Prerequisite to all courses in manual arts except Course 24 and Course 25, but may be taken with Course 33 or Course 46. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

2:25, with four additional hours a week, Room 16P, Mr. Adkins.

31. **Mechanical Drawing.**—Mechanical perspective, oblique and isometric drawings. Prerequisite: Course 30. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

2:25, with four additional hours a week, Room 16P, Mr. Adkins.

32. **Mechanical Drawing.**—Machine drawing developments and furniture design. Prerequisite: Course 31. Required in the freshman year of the manual arts curriculum. Eight hours a week. Two quarter hours.

2:25, with four additional hours a week, Room 16P, Mr. Adkins.

33. **Elementary Woodwork.**—Instruction in the care and use of woodworking tools. Construction of tools. Lectures, demonstrations, and applications, supplemented by textbook work. Eight hours a week. Two quarter hours.

1:30 and 2:25, Room 14P, Mr. Jackson.

34. **Joinery and Advanced Woodwork.**—A study of various types of joints used in furniture construction. Application in type problems. Study of varieties of wood. Lectures, demonstrations, and applications. Eight hours a week. Two quarter hours.

1:30 and 2:25, Room 14P, Mr. Jackson.

35. **Bench Metal Work.**—Work in wrought iron, mild steel, and sheet metal. Eight hours a week. Two quarter hours.

1:30 and 2:25, Room 14P, Mr. Jackson.

40. **The Teaching of Industrial and Vocational Arts.**—Eight hours a week. Four quarter hours.

7:15 and 1:30, Room 2P, Mr. Ashley.

43. **The Elements of Sheet Metal Practice.**—The development of practical work for public schools. Sixteen hours a week. Four quarter hours.

9:30 to 12:10, daily, Room 4P, Mr. Jackson.

47. **General Metal Work, Including Forging.**—Sixteen hours a week. Four quarter hours.

9:30 to 12:10, daily, Room 19P, Mr. Hughes.

48. **Machine Shop.**—Sixteen hours a week. Four quarter hours.

9:30 to 12:10, daily, Room 19P, Mr. Hughes.

49. **Architectural Drawing.**—Prerequisite: Course 32. Eight hours a week. Two quarter hours.  
1:30, with four additional hours a week, Room 16P, Mr. Adkins.
50. **Architectural Drawing, Advanced.**—Prerequisite: Course 49. Eight hours a week. Two quarter hours.  
1:30, with four additional hours a week, Room 16P, Mr. Adkins.
- 51, 52. **Advanced Mechanical Drawing.**—Eight hours a week for each course (51 or 52). Two quarter hours for each course (51 or 52).  
1:30, with four additional hours a week for each course, Room 16P, Mr. Adkins.
53. **Automobile Mechanics. I. Frame, Springs, Wheels, Transmission.**—Sixteen hours a week. Four quarter hours.  
7:15 to 9:00, daily, and 1:30, with one and a quarter clock hours in addition, Room 19P, Mr. Hughes.
54. **Advanced Machine Shop.**—Sixteen hours a week. Four quarter hours.  
9:30 to 12:10, daily, Room 19P, Mr. Hughes.
57. **Automotive Mechanics. II. Engine, Ignition, Carburetor.**—Sixteen hours a week. Four quarter hours.  
7:15 to 9:00, daily, and 1:30, with one and a quarter clock hours in addition, Room 19P, Mr. Hughes.
58. **History of Industrial Education.**—Eight hours a week. Four quarter hours.  
8:10 and 2:25, Room 2P, Mr. Ashley.
59. **Printing I.**—Hand composition and beginning press work. Sixteen hours a week. Four quarter hours.  
9:30 to 12:10, daily, Room 17P, Mr. Adkins.
60. **Printing II.**—More advanced composition and press work. Sixteen hours a week. Four quarter hours.  
9:30 to 12:10, daily, Room 17P, Mr. Adkins.
61. **Printing III.**—Linotype and cylinder press work. Sixteen hours a week. Four quarter hours.  
9:30 to 12:10, daily, Room 17P, Mr. Adkins.

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### MATHEMATICS

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20. **Arithmetic for the First Six Grades.**—This course includes notation and numeration, the fundamental operations with integers and with common and decimal fractions, factors and multiples, English and metric measures, involution and evolution, and simple problems in the measurement of surfaces and solids. The course covers the topics taken up in the first six grades as outlined in the Illinois State Course of Study. Special attention is given to the teaching of these topics in the lower grades. Eight hours a week. Four quarter hours.  
7:15 and 1:30, Room 25, Miss Hendrix.
21. **Arithmetic for the Seventh and Eighth Grades.**—The primary object of this course is to prepare for the teaching of arithmetic in the seventh and eighth grades. The principal topics discussed are percentage and its applications to practical business problems, ratio and proportion, and the mensuration of surfaces and solids. It is the aim of the class room instruction to familiarize the students with methods of instruction that can be readily adapted to the seventh and eighth grades. Eight hours a week. Four quarter hours.  
8:10 and 2:25, Room 25, Miss Hendrix.



32. **Algebra.**—Exponents and radicals; logarithms; mathematical induction; binomial theorem; progressions; permutations and combinations; probability. Prerequisite: Algebra 31, or the equivalent. Eight hours a week. Four quarter hours.

8:10, daily, and 9:30 on Tuesdays, Thursdays and Saturdays, Room 26, Mr. Taylor.

33. **Trigonometry.**—Eight hours a week. Four quarter hours.

9:30 on Wednesdays and Fridays, 10:25 daily, and 11:20 on Tuesdays, Room 26, Mr. Taylor.

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## MUSIC

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### I. Public School Music

24a. **Elementary Theory.**—The fundamentals of music are studied through ear training, dictation, and sight singing. It is a course for beginners. Five hours a week. Two quarter hours.

7:15, Third floor east, Miss Kitchell.

37a. **Primary Music Methods.**—The teaching of rote songs. How to help monotones. Development and care of the child voice. Repertoire of children's songs. The work of the first three grades is studied intensively. Prerequisite: Course 24a or the equivalent. Accepted for Music 24b. Five hours a week. Two quarter hours.

8:10, Third floor east, Miss Kitchell.

Note.—Students registered for Music 37a or 38a are required to keep the 11:20 period free for observation of music teaching.

38a. **Upper Grade Methods.**—Organization and presentation of music in grades four to eight, inclusive. Accepted for Music 24b. Five hours a week. Two quarter hours.

10:25, Third floor east, Miss Kitchell.

Note.—See note under 37a.

38b. **Intermediate Sight Singing.**—Ear training, dictation, and reading of two and three-part music, using fairly complicated rhythms. Prerequisite: Music 24a or the equivalent. Five hours a week. Two quarter hours.

9:30, Third floor east, Miss Kitchell.

### II. Piano and Voice Lessons

1. **Piano Lessons. First Year, Second Year, Third Year.**—One quarter hour for each course. Students should arrange the time with Mr. Koch.

2. **Voice Lessons. First Year, Second Year, Third Year.**—One quarter hour for each course. Students should arrange the time with Mr. Koch.

### III. Band and Orchestra

**Band and Orchestra.**—Both private lessons and class instruction are offered in the summer term. Credit is allowed for band and orchestra at the rate of one quarter hour to those reported to the office for such credit at the close of the term by the Director. One quarter hour is allowed for private lessons in violin or other instrument. Students should arrange the time with Mr. Weckel.

### PENMANSHIP

20. **Penmanship.**—Penmanship is offered in three sections:

Section I, Palmer Certificate Class. Five hours a week. One quarter hour.

8:10, Room 8T, Miss Kassabaum.

Section II, Palmer Certificate Class. Five hours a week. One quarter hour.

9:30, Room 8T, Miss Kassabaum.

Section III, Primary Demonstration and Blackboard Writing. Five hours a week. One quarter hour.

10:25, Room 8T, Miss Kassabaum.

Note.—The 11:20 period is a practice period reserved for Palmer Certificate students who are registered in Section I or II.

### PHYSICAL EDUCATION (MEN)

45. **Football Theory and Practice.**—Instruction in all individual and team fundamentals. Discussion of various defensive and offensive styles of play, generalship and strategy. The practical work includes kick-off, forward passing, punting, drop-kicking, place kicking, signal systems, blocking and tackling, and fundamental plays. Twelve hours a week. Four quarter hours.

1:30 and 3:15 to 4:50, except Saturdays, Room 18, Mr. Lantz.

46. **Basketball Theory and Practice.**—The course covers passing, goal throwing, dribbling, team play, conditioning a team, different styles of offense and defense, center play, out-of-bounds, free throw and held ball play. Twelve hours a week. Four quarter hours.

9:30, except Fridays, Room 10, and 10:25 to 12:10, except Thursdays, Gymnasium, Mr. Lantz.

47. **Anatomy, Physiology and Hygiene.**—The course presents a study of the gross structure of the human body, and a special study of the joints, ligaments, and muscles. The fundamental facts of the lymph, circulation, respiration, digestion and secretion, and special senses are studied. Eight hours a week. Four quarter hours.

8:10 and 2:25, Room 14T, Mr. Angus.

48. **Gymnasium and Playground Activities.**—This course includes tumbling, pyramid building, side horse, rope climbing, games for use in the gymnasium and recreational activities for out-doors on playgrounds. Sixteen hours a week. Four quarter hours.

10:25 to 12:10, except Thursdays, and 3:15 to 4:50, except Saturdays, Gymnasium, Mr. Angus.

### READING

24a. **Reading.**—Designed to improve the student's oral reading. Includes drill exercises and practice in reading before the class. Outside preparation and practice are required. Four hours a week. Two quarter hours.

10:25, Room 40, Miss Ragan.



24b. **Methods.**—Planned to give a knowledge of methods and devices used in teaching reading in the elementary schools. Outside preparation, including lesson plans on concrete lesson material, library reading, and other work, is required. Four hours a week. Two quarter hours.

9:30, Room 40, Miss Ragan.

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## SCIENCE (BIOLOGICAL)

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### I. Botany

21. **College Botany.**—A study of the reproduction of flowering plants, the development of fruit and seeds from the parts of the flower, the mechanism of heredity, and a brief study of the great groups of plants. Twelve hours a week. Four quarter hours.

9:30, 2:25, and 3:15, except Saturdays, Third floor southwest, Mr. Thut and Miss Marks.

22. **General Local Flora.**—The identification of trees in winter and summer condition, of the common fresh water algae, liverworts, mosses and ferns, and of flowering plants as the season advances; and with this a study of structures which is necessary for the recognition of these forms. The course is designed especially for those who expect to teach biological science in secondary schools.

Prerequisite: Botany 20 and 21, or permission of the instructor. Elective. Twelve hours a week. Four quarter hours.

11:20, 2:25, and 3:15, except Saturdays, Third floor southwest, Mr. Thut.

30. **The Morphology of Green Plants.**—A study of the vegetative and reproductive structures of the green plants and a comparative study of the typical life histories of the great groups. The course consists mostly of laboratory work. Twelve hours a week. Four quarter hours.

8:10, and 9:30 to 11:15, except Thursdays, Third floor southwest, Mr. Stover.

43. **Microtechnic.**—A course designed for the purpose of giving the student a knowledge of the preparation of botanical material for class use and for the making of microscopic slides. It is desirable that students in this course shall have had a year of chemistry.

Prerequisite: Botany 30, or the equivalent. Twelve hours a week. Four quarter hours.

Time to be arranged with Mr. Stover.

45. **Advanced Botany.**—This is designed to meet the needs of individual students who wish to do advanced work in some special field of botany. The student may choose the work he wishes to do, but is required to consult the instructor before registering.

Prerequisite: Botany 43. Twelve hours a week. Four quarter hours.

Time to be arranged with Mr. Stover.

### II. Zoology

20. **Animal Biology.**—A consideration of fundamental biological laws, based upon animal material. Twelve hours a week. Four quarter hours.

1:30, 10:25, and 11:20, except Saturdays, Third floor northwest, Mr. Spooner and Miss Marks.

22. **Animal Biology.**—A continuation of the work of Zoology 21. Prerequisite: Zoology 20, or one year of high school zoology. Twelve hours a week. Four quarter hours.

8:10, 2:25, and 3:15, except Saturdays, Third floor northwest, Mr. Spooner and Mr. Scruggs.

46 (or 47, or 48). **Advanced Zoology.**—This course is arranged to meet the desires and attainments of the individual student. Considerable latitude is given in the choice of a problem, the aim being to encourage and develop ability to pursue original investigations. Frequent conferences with the instructor are held to discuss methods of approach and results. Prerequisite: Two years of work in zoology or biology. Twelve hours a week. Four quarter hours.

9:30 to 12:10, except Saturdays, Third floor northwest, Mr. Spooner.

Note.—Permission of the instructor is required.

### III. Human Physiology

43. **Elementary Physiology.**—The fundamental principles of animal physiology, including the chemical and physical structure of animate matter; the reactions involved in animals, including the human body, in responding to environmental conditions; the formation, structure, and functions of blood and lymph, and the fundamental structure of the nervous system with particular emphasis on reflex actions. A survey of the conditions determining the activities of living forms. Prerequisite: Junior classification. Elective. Twelve hours a week. Four quarter hours.

7:15, 9:30 and 10:25, on Tuesdays, Thursdays, and Saturdays, 10:25 on Wednesdays. Third floor northwest, Dr. Seymour and Mr. Spooner.

45. **Elementary Physiology.**—A study of circulation, the organs of internal secretion, the central nervous system, and the special senses. Prerequisite: Physiology 43. Elective. Twelve hours a week. Four quarter hours.

8:10, 9:30 and 10:25 on Tuesdays, Thursdays, and Saturdays, 9:30 on Wednesdays, Third floor northwest, Dr. Seymour and Mr. Spooner.

**Hygiene.**—An application of the facts learned in the study of human physiology is made so as to show students how the human body may be maintained at its maximum efficiency as a working machine. Both personal and public hygiene, including sanitation, are considered.

20a. **Personal Hygiene.**—Four hours a week. Two quarter hours.  
Section I, 7:15, Room 6, Dr. Seymour.  
Section II, 10:25, Room 6, Dr. Seymour.

20b. **Public Hygiene.**—Four hours a week. Two quarter hours.  
Section I, 8:10, Room 6, Mr. Scruggs.  
Section II, 9:30, Room 6, Mr. Scruggs.

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## SCIENCE (PHYSICAL)

### I. Physics

32. **Sound and Light.**—Thirteen hours a week. Four quarter hours.

7:15, 1:30 and 2:25, except Saturdays, Room 36, Mr. Phipps.

43. **Radio.**—A study is made of the principles underlying radio communication. The course includes a study of some typical circuits used in receiving sets and a detailed study of the function of inductance, capacitance, and resistance in electric circuits. Types of vacuum tubes are discussed. In the laboratory, electrical measurements of parts and assembled units are made. This includes taking characteristic curves of vacuum tubes. Prerequisite: Physics 31. Thirteen hours a week. Four quarter hours.

8:10, 10:25, and 11:20, except Fridays, Room 36, Mr. Railsback.

44. **Electrical Measurements.**—Prerequisite: Physics 31. Sixteen hours a week. Four quarter hours.

10:25 and 11:20, except Fridays, 1:30 and 2:25, except Saturdays, Room 33, Mr. Phipps.

48 (33). **Mechanics.**—Prerequisite: Physics 30, 31, 32. Eight hours a week. Four quarter hours.

9:30 and 1:30, Room 36, Mr. Railsback.

## II. Chemistry

30. **General Inorganic Chemistry.**—Non-metals. Fifteen hours a week. Five quarter hours.

7:15 and 9:30 to 11:15, daily, Room 37, Mr. Crowe.

32. **Metals and Introduction to Qualitative Analysis.**—Fifteen hours a week. Five quarter hours.

8:10 and 9:30 to 11:15, daily, Room 37, Mr. Crowe.

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## THE REGULAR SCHOOL YEAR

The fall quarter of the school year 1933-1934 will begin Saturday, September 9, 1933, at eight o'clock in the morning. A bulletin with full information will be sent to those who are interested.